

WHAT IS CLAIMED IS:

1. A display method for a navigation system, comprising the following steps of:

5 starting a screen display of the navigation system showing a predetermined type of information;

detecting if a user has changed to a new screen other than that showing the predetermined type of information; and

10 displaying a screen showing the predetermined type of information within a vacant space in the new screen or by superposing on the new screen.

2. A display method for a navigation system, comprising the following steps of:

15 starting a route guidance mode for guiding a user to a selected destination;

detecting if a user has changed to a new screen other than that of the route guidance mode;

determining whether the user has reached the destination; and

20 displaying a route guidance screen within the new screen when the user has not reached the destination.

3. A display method for a navigation system as defined in Claim 2, further comprising a step of determining whether a sufficient vacant space exists in the new screen to display the route guidance screen therein, and if there is a sufficient vacant space, inserting the route guidance screen in the vacant space of the new screen.

4. A display method for a navigation system as defined in Claim 2, further comprising a step of determining whether a sufficient vacant space exists in the new screen to display the route guidance screen therein, and if there is not a sufficient vacant space, superposing the route guidance screen on images in the new screen.

5. A display method for a navigation system as defined in Claim 2, further comprising a step of presetting a size

and a location of the route guidance screen in the navigation system.

5       6.    A display method for a navigation system as defined in Claim 2, wherein said step of displaying the route guidance screen within the new screen includes a step of adjusting a size and a location of the route guidance screen in the new screen by the user.

10       7.    A display method for a navigation system as defined in Claim 6, wherein said step of adjusting the size and location of the route guidance screen includes a step of using an input device separate from a monitor screen of the navigation system or directly touching a surface of the monitor screen.

15       8.    A display method for a navigation system as defined in Claim 6, wherein said step of adjusting the size and location of the route guidance screen includes a step of using a minimize button or a maximize button on the route guidance screen.

20       9.    A display method for a navigation system as defined in Claim 2, wherein said route guidance screen illustrates at least a direction of turn at an intersection and an identification of a street at the intersection.

25       10.   A display method for a navigation system as defined in Claim 2, wherein said route guidance screen illustrates at least an image of an intersection, a direction of turn at an intersection, and a name of a street at the intersection.

30       11.   A display method for a navigation system as defined in Claim 2, wherein said step of determining whether the user has reached the destination includes a step of checking whether an arrival detection signal is generated by the navigation system.

12.   A display apparatus for a navigation system, comprising:

means for starting a screen display of the navigation system showing a predetermined type of information;

5 means for detecting if a user has changed to a new screen other than that showing the predetermined type of information; and

10 means for displaying a screen showing the predetermined type of information within the new screen within a vacant space in the new screen or by superposing on the new screen.

13. A display apparatus for a navigation system, comprising:

means for starting a route guidance mode for guiding a user to a selected destination;

15 means for detecting whether a user has changed to a new screen other than that of the route guidance mode;

means for determining whether the user has reached the destination; and

20 means for displaying a route guidance screen within the new screen when the user has not reached the destination.

25 14. A display apparatus for a navigation system as defined in Claim 13, further comprising means for determining whether a sufficient vacant space exists in the new screen to display the route guidance screen therein, and if there is a sufficient vacant space, inserting the route guidance screen in the vacant space of the new screen.

30 15. A display apparatus for a navigation system as defined in Claim 13, further comprising means for determining whether a sufficient vacant space exists in the new screen to display the route guidance screen therein, and if there is not a sufficient vacant space, superposing the route guidance screen on images in the new screen.

16. A display apparatus for a navigation system as defined in Claim 13, further comprising means for presetting a size and a location of the route guidance screen in the navigation system.

5        17. A display apparatus for a navigation system as defined in Claim 13, wherein said means for displaying the route guidance screen within the new screen includes means for adjusting a size and a location of the route guidance screen in the new screen by the user.

10        18. A display apparatus for a navigation system as defined in Claim 17, wherein said means for adjusting the size and location of the route guidance screen includes means for using an input device separate from a monitor screen of the navigation system or directly touching a surface of the  
15        monitor screen.

19. A display apparatus for a navigation system as defined in Claim 17, wherein said means for adjusting the size and location of the route guidance screen includes means for using a minimize button or a maximize button on the route  
20        guidance screen.

20. A display apparatus for a navigation system as defined in Claim 13, wherein said route guidance screen illustrates at least a direction of turn at an intersection and an identification of a street at the intersection.

25        21. A display apparatus for a navigation system as defined in Claim 13, wherein said route guidance screen illustrates at least an image of an intersection, a direction of turn at an intersection, and a name of a street at the intersection.

30        22. A display apparatus for a navigation system as defined in Claim 13, wherein said means for determining whether the user has reached the destination includes means for checking whether an arrival detection signal is generated by the navigation system.

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